

Title (en)  
ON-DEMAND PREDEFINED ROUTE AUTOMATED DRIVING VEHICLE

Title (de)  
ON-DEMAND PREDEFINED ROUTE AUTOMATISIERTES FAHRZEUG

Title (fr)  
VÉHICULE DE CONDUITE AUTOMATISÉ À LA DEMANDE

Publication  
**EP 3731209 A1 20201028 (EN)**

Application  
**EP 18891714 A 20181221**

Priority  
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Abstract (en)  
The present invention improves vehicle design freedom by reducing energy capacity while shortening the wait time of a user 701 who has performed a use request for an on-demand predefined route automated driving vehicle 100. The on-demand predefined route automated driving vehicle 100 automatically travels, regardless of whether a passenger is on board, along an annular-connecting predefined route 30 which has an annular predefined route 31 and a connecting predefined route 32. The in-vehicle control device 115 of the on-demand predefined route automated driving vehicle 100 transmits its current location to a fleet control device 501, and controls a drive mechanism 112, a braking mechanism 113 and a travel-direction control mechanism 114 in a manner such that the velocity V1 in a standby state is lower than the velocity V2 in an dispatch state when changing states from the standby state, which is a state where no passenger is on board and it is possible to receive an dispatch command signal, to the dispatch state, which is a state in which a vehicle selected for dispatch to a scheduled boarding location is traveling toward the scheduled boarding location on the basis of an dispatch command signal transmitted from the fleet control device 501 in response to the use request from the user 701.

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